Claims

1. A switching valve comprising:

a valve body having a control space for controlling a fluid;

a valve element configured to move within the control space to control the fluid; and

a counter plate configured to prevent the fluid from flowing upward out of the control space,

the switching valve characterized in that the valve element is provided with a lower contact portion configured to come into contact with a lower valve seat disposed at the valve body when the valve is closed and with an upper contact portion configured to come into contact with an upper valve seat disposed at the counter plate when the valve is open,

the counter plate has a first recess that is open downward and a second recess that is open toward the first recess and has a smaller horizontal cross-sectional area than that of the first recess, and

the upper valve seat is press-fitted into the second recess

wherein an intermediate portion between the lower contact portion and the upper contact portion is provided with a guide portion, and a side surface of the first recess is circumscribed on the guide portion, and

wherein a gap is provided between the side surface of the first recess and a side surface of the guide portion.